

# NPOL Radar Scientist Report 0000 UTC 27 April 2011

Submitted by josephhardin on Tue, 04/26/2011 - 18:50

- [NPOL](#)

Flight Date:

Tuesday, April 26, 2011

Status:

Green

Shift Summary 1200 UTC 26 April to 0000 UTC 27 Apr 2011

There were two occasions to run Scan-4 over the central facility this shift. During the 17 UTC hour, a few light showers moved over the facility, but appeared to be evaporating before reaching the surface. The better case is during the 22 UTC hour when an area of rain with 30-35 dBZ echo moved directly over the facility....ran Scan-4 for almost 1 hour. Scan-3 RHIs were also performed for this rain area. The remainder of this shift was fairly quiet with most (but not all) precip echo beyond 80 km range. A persistent rainband was to the west and north of NPOL for several hours, and continued to perform sector scans 1A and 1B. Late in this shift, a significant convective line has developed to the E/SE of NPOL and appears to be building west toward NPOL. Polarimetric fields look good.

Regarding the azimuth ray dropout issue, Mike ran a few tests but did not have much time as precip started approaching the central facility. The number of samples was changed from 60 to 66, but the dropouts continued. Walt suggested that we add 2 degrees to each side of the sector scans to minimize chances of missing weather of interest in a dropped ray...this was done for the sector scans today.

End of Summary

David Marks